



Fish as Bioindicators of the Fresh and Marine Water Ecosystems

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Message from the Guest Editors

This Special Issue concerns studies of the use of fish as bioindicators of fresh and marine water ecosystems' status, impacted by different environmental and anthropogenic factors. Fish (in situ) are a good indicator of environmental changes and ecosystem health, especially in case of toxic water pollution. In general, indicators at all levels of their biological organization provide information on the fish population status and their environment. Biochemical and physiological indicators reflect the functional status of individual organisms, while intermediate-level responses, such as histopathological condition and morphological characteristics, are indicative of the structural integrity of tissues and organs. Community- and population-level measurements integrate the responses to a variety of environmental conditions, and therefore may be less reflective of contaminant-induced stress in comparison to the level of organisms.





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Message from the Editor-in-Chief

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